Amendments to the Specification:

Please replace the paragraph beginning at page 22, line 22 as with the following amended paragraph:

The multiple-output power regulator 62 of Fig. 7 may be embodied in different structures, some examples of which are illustrated in Figs. 8A, 8B, and 8C. In Fig. 8A, a multiple-output power regulator 62 consists of a multiple output switching regulator that operates off of a single input source 46 and delivers controlled outputs, V_{f1}, V_{f2}, V_{f3}, for delivery to factorized distribution buses. In Fig. 8B, a multi-output regulator 62 comprises several independent power converters 63a, 63b, 63c, which operate off of a single input source 46. Each of the converters delivers a controlled output for delivery to a factorized distribution bus. In Figs. 8A and 8B the input sources may be either AC or DC sources. In Fig. 8C, the multi-output regulator comprises independent regulators [[~~66a, 66b, 66c~~]] **63d, 63e, 63f** which operate off of one or more different input sources. For example, independent regulator [[~~66a~~]] **63d** operates off of two sources 45, 47, one of which might be an AC source and the other a DC source, such as a battery backup source. The other two independent regulators **[[~~66b, 66c~~]] 63e, 63f** are shown operating from independent sources 49, 51. These and a wide variety of other combinations of sources and regulating power supplies can be configured to generate one or more controlled bus voltages for distribution in a FPA system.

Please replace the paragraph beginning at page 37, line 25 as with the following amended paragraph:

The "quality factor," Q, of a series resonant converter operating at resonance is defined herein as $Q = Z_L / R_{eq}$, where [[~~$Z_L = 1/(2\pi * f_R * L_R)$~~]] $Z_L = 2\pi * f_R * L_R$ is the total inductive impedance of the resonant circuit at the resonant frequency, f_R; where the inductance L_R includes all discrete, leakage and circuit parasitic inductances, reflected to the transformer primary and in series with the resonant circuit; and where R_{eq} is the total equivalent series resistance of the circuit, reflected to the transformer primary and including, resistances of windings, ON-state resistances of switches, rectifiers and resonant capacitors, measured at 27 °C with a 10 mA AC test current.